

**SYSTEM AND METHOD FOR GEOREFERENCING DIGITAL
RASTER MAPS**

ABSTRACT OF THE DISCLOSURE

5 The preferred embodiment provides a system and method for
georeferencing digital raster maps by associating specific points on the raster map
with corresponding points on a georeferenced vector map or another
georeferenced raster map. According to the preferred embodiment, a raster map
and a corresponding vector map are simultaneously displayed to a user. The user
then locates a common geographic point or feature on each map, and marks each
10 of them as a unique point-pair. When the user has marked at least two point-
pairs, the system then computes a georeferencing function, based on the pixel-
coordinates of the points marked on the raster map and the corresponding
geographic coordinates of the points on the vector map. Thereafter the
geographic coordinates of any point on the map may be easily computed. The
15 preferred embodiment provides that as more point-pairs are identified, the
georeferencing function is modified for increased accuracy.

FIGURE 1